EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	10368	ultrasound with image	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 09:11
L2	5074	electronic adj3 signature	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 09:23
L3	1	l1 same l2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 09:24
L4	15	l1 and l2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 09:12
L5	15368	digital adj3 signature	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 09:23
L6	1	l1 same l5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 09:24
L7	12	l1 and l5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 09:24

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IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

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1. **Smartcards with biometric user verification**
Struif, B.; Scheuermann, D.;
Multimedia and Expo, 2002. ICME '02. Proceedings. 2002 IEEE International C
Volume 2, 26-29 Aug. 2002 Page(s):589 - 592 vol.2
Digital Object Identifier 10.1109/ICME.2002.1035688
AbstractPlus | Full Text: PDF(418 KB) IEEE CNF
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2. **Applications in health care using public-key certificates and attribute cer**
Wohlmacher, P.; Pharow, P.;
Computer Security Applications, 2000. ACSAC '00. 16th Annual Conference
11-15 Dec. 2000 Page(s):128 - 137
Digital Object Identifier 10.1109/ACSAC.2000.898866
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[PDF] Standards List
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mechanisms and the characteristics of the **electronic signature** itself. Used_in ... X-rays, CAT, NMR, **ultrasound** scans, ECGs, lung-function tests, anatomic ...
www.who.int/ehscg/resources/en/ehscg_standards_list.pdf - Similar pages

[DOC] Name
File Format: Microsoft Word - View as HTML
Name, **Electronic healthcare record** communication. Brief name, ENV 13606 ... Used_in, X-rays, CAT, NMR, **ultrasound** scans, ECGs, lung-function tests, ...
www.oasis-open.org/committees/ download.php/10204/standards_list.doc - Similar pages

[DOC] Name
File Format: Microsoft Word 97 - View as HTML
Name, **Electronic healthcare record** communication. Brief name, ENV 13606 ... Used_in, X-rays, CAT, NMR, **ultrasound** scans, ECGs, lung-function tests, ...
ontolog.cim3.net/.../ HealthStandardsList-prelim--OASIS-IHC_20041122.doc - Similar pages

[DOC] Deliverable 3.2
File Format: Microsoft Word - View as HTML
Secure authentication procedures, eg, **electronic signature** ... paediatric clinics at regional hospitals will use shared **electronic healthcare record** service ...
pangea.upv.es/N+ISIS05/documents/CarlosParra/ D_3-2_final/Deliverable_3_part1-final.doc - Similar pages

[DOC] Appendices
File Format: Microsoft Word 97 - View as HTML
The **electronic healthcare record** system (including distributed databases and ... Like in the case of **Ultrasound** examination of pregnant women in a local ...
pangea.upv.es/N+ISIS05/documents/CarlosParra/ D_3-2_final/deliverable_3_part2_iii_final.doc - Similar pages

[PDF] Cover Page
File Format: PDF/Adobe Acrobat - View as HTML
Project Title: **Electronic Healthcare Record** Support Action. EHCR-SupA ... Many test results are now in image form (X-rays, **ultrasound** etc.). ...
www.chime.ucl.ac.uk/HealthI/EHCR-SupA/del1-4v1_3.PDF - Similar pages

TELEPLANS WP4 : D04.1 - 3
... (ie medical data interchange, Home Care, **Electronic Healthcare Record** Communication). ... Within cardiology, two used stethoscope, one used **ultrasound**. ...
www.ingbiomedica.unina.it/teleplans_doc/wp4_D041_3.htm - 220k - Cached - Similar pages

[PDF] Data Capture and Report Generation

File Format: PDF/Adobe Acrobat - View as HTML
An **electronic signature** has five elements. For each of these, different levels of security ...
Analog and digital x-rays, nuclear imaging, **ultrasound**, ...
www.zydoc.com/files/ DataCapureReportGenerationFinalReport.pdf - Similar pages

[DOC] INTERNATIONAL TELECOMMUNICATION UNION
File Format: Microsoft Word 2000 - View as HTML
... imported from the **Electronic Healthcare Record** System in order to avoid data entry ...
ultrasound; radiology; cardiology; cancer treatment; telemedicine ...
www.itu.int/ITU-D/study_groups/ SGP_1998-2002/SG2/Documents/2001/195REV2E.DOC - Similar pages

[PDF] ActivitiesReport
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"European **Electronic Signature** Standardisation Initiative (EESSI)", CEN, ... Java-based **Electronic Healthcare Record** software for beta-Thalassaemia", ...
www.icsd.aegean.gr/Downloads/ pdfs/ICSD-Evaluation-v27-12-02_comments.pdf - Similar pages

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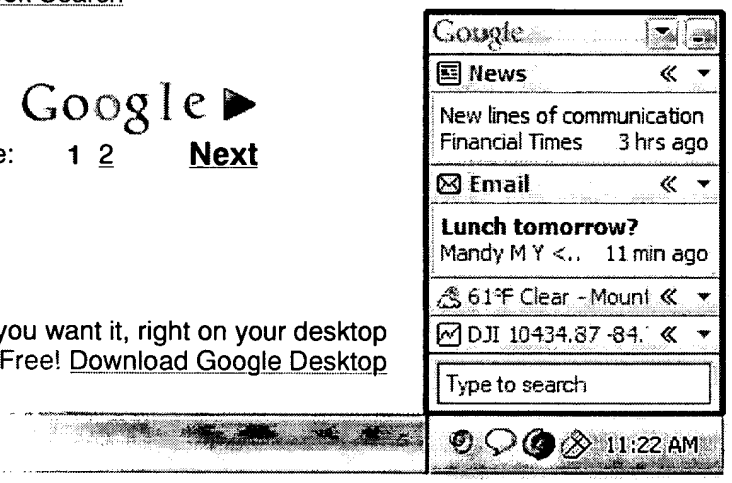

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For granting consent, patients use the **electronic signature** capability of the ... The key system is the **Electronic Healthcare Record**, where a nation-wide ...
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For granting consent, patients use the **electronic signature** capability of the EID ... In 2001 **electronic healthcare record** standardisation was added to the ...
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approach to the delivery of an **Electronic Healthcare Record** (EHR). ... then signing, following the **electronic signature** the letter will be passed back to ...
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[PDF] Report framework
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Electronic Healthcare Record. These will include a ... Similarly, the EU Directive states that an advanced **electronic signature** satisfies the legal re- ...
www.pydb.saglik.gov.tr/index.php?option=com_ docman&task=doc_download&gid=3 - Similar pages

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ENEL-MED the following pictures: CT, MRI, **ultrasound ... electronic healthcare record** system was to be undertaken by every hospital. ...
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a patient cannot enter this **password**, and his/her situa-. tion is critical. ... **electronic signature**, that has the same value as a regular signature. ...
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[6] Security and **Electronic Signature**; Proposed Rule, US Department. of Health and Human Services, ... medical **ultrasound image** acquisition, presentation, ...
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Idaho State Legislature - 2004 House Health & Welfare Committee ...
The issue of the secured **password** was considered by the Committee. ... an **ultrasound image** of the fetus shown to the patient by the physician, if requested ...
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[PDF] VistA Imaging Technical Manual
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Users are not required to enter an **electronic signature** when. printing or copying images. ... IU account **password** was changed on the server, but not ...
www.va.gov/vdl/VistA_Lib/Clinical/ Vista_Imaging_Sys/imgtechman.pdf - Similar pages

[DOC] Requirements - Technology
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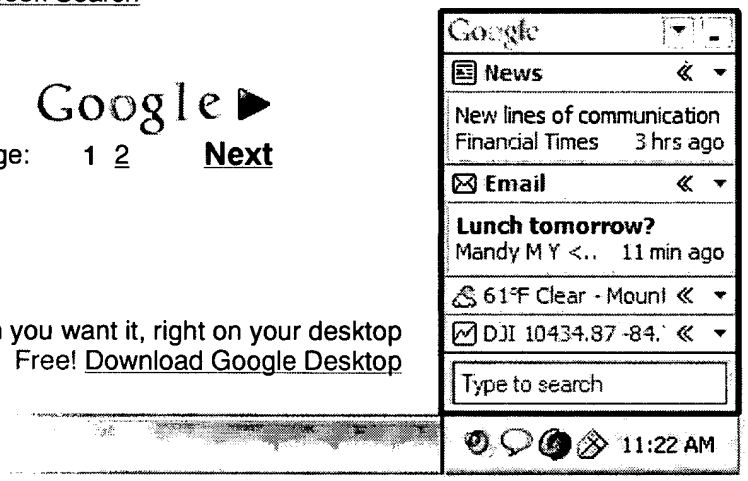

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1 A survey and analysis of Electronic Healthcare Record standards

Marco Eichelberg, Thomas Aden, Jörg Riesmeier, Asuman Dogac, Gokce B. Laleci

December 2005 **ACM Computing Surveys (CSUR)**, Volume 37 Issue 4
Publisher: ACM Press
Full text available: pdf(844.11 KB) Additional Information: full citation, abstract, references, index terms

Medical information systems today store clinical information about patients in all kinds of proprietary formats. To address the resulting interoperability problems, several Electronic Healthcare Record standards that structure the clinical content for the purpose of exchange are currently under development. In this article, we present a survey of the most relevant Electronic Healthcare Record standards, examine the level of interoperability they provide, and assess their functionality in terms o ...

Keywords: Electronic Healthcare Record standards, eHealth, interoperability

Results 1 - 1 of 1

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1 Risks to the public: Risks to the public

Peter G. Neumann
July 2005 **ACM SIGSOFT Software Engineering Notes**, Volume 30 Issue 4
Publisher: ACM Press
Full text available: pdf(151.77 KB) Additional Information: full citation, abstract, index terms

Edited by Peter G. Neumann (Risks Forum Moderator and Chairman of the ACM Committee on Computers and Public Policy), plus personal contributions by others, as indicated. Opinions expressed are individual rather than organizational, and all of the usual disclaimers apply. We address problems relating to software, hardware, people, and other circumstances relating to computer systems. To economize on space, we include pointers to items in the online Risks Forum: (R i j) denotes RISKS vol i number ...

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1 Location services: Sextant: a unified node and event localization framework using non-convex constraints
Saikat Guha, Rohan Murty, Emin Gün Sirer
May 2005 **Proceedings of the 6th ACM international symposium on Mobile ad hoc networking and computing MobiHoc '05**
Publisher: ACM Press
Full text available: pdf(208.91 KB) Additional Information: full citation, abstract, references, index terms

Determining node and event locations is a canonical task for many wireless network applications. Yet dedicated infrastructure for determining position information is expensive, energy-consuming, and simply unavailable in many deployment scenarios. This paper presents an accurate, cheap and scalable framework, called Sextant, for determining node position and event location in sensor networks. Sextant operates by setting up and solving a system of geographic constraints based on connectivity info ...

Keywords: Bézier, SEXTANT, event localization, motes, node localization, positioning

2 Poster 3: content track: Validating cardiac echo diagnosis through video similarity
Tanveer Syeda-Mahmood, Dulce Ponceleon, Jing Yang
November 2005 **Proceedings of the 13th annual ACM international conference on Multimedia MULTIMEDIA '05**
Publisher: ACM Press
Full text available: pdf(451.63 KB) Additional Information: full citation, abstract, references, index terms

Video data is increasingly being used in medical diagnosis. Due to the quality of the video and the complexities of underlying motion captured, it is difficult for an in-experienced physician/radiologist to describe motion abnormalities in a crisp way, leading to possible errors in diagnosis. In this paper, we present a method of capturing video similarity and its use for diagnosis verification during decision support. Specifically, we describe the motion information in videos using average velo ...

Keywords: collaborative filtering, diagnosis prediction, video-guided diagnosis

3 (Special session) invited talks: mixed signal test: An implementation of memory-based on-chip analogue test signal generation
Salvador Mir, Luis Rolíndez, Christian Domigues, Libor Rufer
January 2003 **Proceedings of the 2003 conference on Asia South Pacific design automation ASPDAC**
Publisher: ACM Press
Full text available: pdf(666.98 KB) Additional Information: full citation, abstract, references

This paper presents a memory-based on-chip analogue test signal generation approach that is suitable for the test of an Analogue and Mixed-Signal (AMS) core. This core contains programmable electronic interfaces for acoustic and ultrasound transducers. The test signals that must be generated on-chip have only low or moderate frequencies (10 Hz-10 MHz). The test circuitry designed in a 0.18 µm CMOS technology includes a programmable shift-register, a clock divider, and a programmable switched- ...

4 Ad hoc network: SECTOR: secure tracking of node encounters in multi-hop wireless networks

Srdjan Čapkun, Levente Buttyán, Jean-Pierre Hubaux

October 2003 **Proceedings of the 1st ACM workshop on Security of ad hoc and sensor networks**

Publisher: ACM Press

Full text available: pdf(190.29 KB) Additional Information: full citation, abstract, references, citings, index terms

In this paper we present SECTOR, a set of mechanisms for the secure verification of the time of encounters between nodes in multi-hop wireless networks. This information can be used notably to prevent wormhole attacks (without requiring any clock synchronization), to secure routing protocols based on last encounters (with only loose clock synchronization), and to control the topology of the network. SECTOR is based primarily on distance-bounding techniques, on one-way hash chains and on Merkle h ...

Keywords: mobile networks, mobility, positioning, security, security associations

5 Transfer functions on a logarithmic scale for volume rendering

Simeon Potts, Torsten Möller

May 2004 **Proceedings of the 2004 conference on Graphics interface GI '04**

Publisher: Canadian Human-Computer Communications Society

Full text available: pdf(296.08 KB) Additional Information: full citation, abstract, references

Manual opacity transfer function editing for volume rendering can be a difficult and counter-intuitive process. This paper proposes a logarithmically scaled editor, and argues that such a scale relates the height of the transfer function to the rendered intensity of a region of particular density in the volume almost directly, resulting in much improved, simpler manual transfer function editing.

Keywords: transfer functions, user interfaces, volume graphics

6 A survey and analysis of Electronic Healthcare Record standards

Marco Eichelberg, Thomas Aden, Jörg Riesmeier, Asuman Dogac, Gokce B. Laleci

December 2005 **ACM Computing Surveys (CSUR)**, Volume 37 Issue 4

Publisher: ACM Press

Full text available: pdf(844.11 KB) Additional Information: full citation, abstract, references, index terms

Medical information systems today store clinical information about patients in all kinds of proprietary formats. To address the resulting interoperability problems, several Electronic Healthcare Record standards that structure the clinical content for the purpose of exchange are currently under development. In this article, we present a survey of the most relevant Electronic Healthcare Record standards, examine the level of interoperability they provide, and assess their functionality in terms o ...

Keywords: Electronic Healthcare Record standards, eHealth, interoperability

7 IEEE Visualization Cumulative Bibiography (1990 - 2004)

October 2004 **Proceedings of the conference on Visualization '04**

Publisher: IEEE Computer Society

Full text available: pdf(811.24 KB) Additional Information: full citation

8 Superior augmented reality registration by integrating landmark tracking and magnetic tracking

Andrei State, Gentaro Hirota, David T. Chen, William F. Garrett, Mark A. Livingston

August 1996 **Proceedings of the 23rd annual conference on Computer graphics and interactive techniques**

Publisher: ACM Press

Full text available: pdf(1.43 MB) Additional Information: full citation, references, citings, index terms

Keywords: augmented reality, calibration, frame buffer techniques, registration, stereo video see-though head-mounted display

9 Computer security: Proxy-based security protocols in networked mobile devices

M. Burnside, D. Clarke, T. Mills, A. Maywah, S. Devadas, R. Rivest

March 2002 **Proceedings of the 2002 ACM symposium on Applied computing**

Publisher: ACM Press

Full text available: pdf(765.09 KB) Additional Information: full citation, abstract, references, citings, index terms

We describe a resource discovery and communication system designed for security and privacy. All objects in the system, e.g., appliances, wearable gadgets, software agents, and users have associated trusted software proxies that either run on the appliance hardware or on a trusted computer. We describe how security and privacy are enforced using two separate protocols: a protocol for secure device-to-proxy communication, and a protocol for secure proxy-to-proxy communication. Using two separate ...

Keywords: authorization, certificate, certificate chain, certificate chain discovery, mobile device, pervasive, protocol, proxy, security, ubiquitous, wireless

10 A survey of image registration techniques

Lisa Gottesfeld Brown

December 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 4

Publisher: ACM Press

Full text available: pdf(5.20 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Registration is a fundamental task in image processing used to match two or more pictures taken, for example, at different times, from different sensors, or from different viewpoints. Virtually all large systems which evaluate images require the registration of images, or a closely related operation, as an intermediate step. Specific examples of systems where image registration is a significant component include matching a target with a real-time image of a scene for target recognition, mon ...

Keywords: image registration, image warping, rectification, template matching

11 Acoustic radar graphic input device

P. de Bruyne

July 1980 **ACM SIGGRAPH Computer Graphics , Proceedings of the 7th annual conference on Computer graphics and interactive techniques SIGGRAPH '80**, Volume 14 Issue 3

Publisher: ACM Press

Full text available: pdf(451.02 KB) Additional Information: full citation, abstract, references, index terms

Accurate X,Y position determining digitizers presently require a precision array of wires embedded in the tablet. In rear-projection tablets these wires tend to limit the optical quality of images projected on the screen. Principles of acoustic radar are applied in a device which achieves better resolution, at a lower cost and without the use of wires, either in a tablet or a cursor. The function of acoustic reflectors for automatic calibration is described, achieving an accuracy of + mn; 0 ...

Keywords: Acoustic radar, Back-projection, Cursor, Digitizer, Finger-pointing, Graphic input, Position measurement, Retro-reflector, Self-calibrating, Sonar, Stylus, Tablet

12 Computational strategies for object recognition

Paul Suetens, Pascal Fua, Andrew J. Hanson
March 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 1
Publisher: ACM Press

Full text available: pdf(6.37 MB) Additional Information: full citation, abstract, references, citings, index terms, review

This article reviews the available methods for automated identification of objects in digital images. The techniques are classified into groups according to the nature of the computational strategy used. Four classes are proposed: (1) the simplest strategies, which work on data appropriate for feature vector classification, (2) methods that match models to symbolic data structures for situations involving reliable data and complex models, (3) approaches that fit models to the photometry and ...

Keywords: image understanding, model-based vision, object recognition

13 Level set and PDE methods for computer graphics

David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, Ross Whitaker
August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**
Publisher: ACM Press
Full text available: pdf(17.07 MB) Additional Information: full citation, abstract

Level set methods, an important class of partial differential equation (PDE) methods, define dynamic surfaces implicitly as the level set (iso-surface) of a sampled, evolving nD function. The course begins with preparatory material that introduces the concept of using partial differential equations to solve problems in computer graphics, geometric modeling and computer vision. This will include the structure and behavior of several different types of differential equations, e.g. the level set eq ...

14 Risks to the public: Risks to the public

Peter G. Neumann
July 2005 **ACM SIGSOFT Software Engineering Notes**, Volume 30 Issue 4
Publisher: ACM Press
Full text available: pdf(151.77 KB) Additional Information: full citation, abstract, index terms

Edited by Peter G. Neumann (Risks Forum Moderator and Chairman of the ACM Committee on Computers and Public Policy), plus personal contributions by others, as indicated. Opinions expressed are individual rather than organizational, and all of the usual disclaimers apply. We address problems relating to software, hardware, people, and other circumstances relating to computer systems. To economize on space, we include pointers to items in the online Risks Forum: (R i j) denotes RISKS vol i number ...

15 7-3 Modeling: Multi-scale iso-surface extraction for volume visualization

Shiaofen Fang, Marwan Adada
June 2004 **Proceedings of the 2004 ACM SIGGRAPH international conference on Virtual Reality continuum and its applications in industry**
Publisher: ACM Press

Full text available: pdf(240.00 KB) Additional Information: full citation, abstract, references, index terms

This paper describes a new multi-scale approach for the extraction of iso-surfaces from volume datasets. Using histogram analysis, iso-values are extracted from histograms of boundary voxels defined by gradient magnitude thresholding. Multi-scale smoothing of the histogram using Gaussian filters of various sizes allows the iso-surfaces to be defined hierarchically over a scale space map. It provides an interactive environment and volume navigation tools for the exploration of large volume data s ...

Keywords: iso-surface extraction, multiscale space, volume visualization

16 The intelligent street: responsive sound environments for social interaction

Henrik Lörstad, Mark d'Inverno, John Eacott

September 2004 **Proceedings of the 2004 ACM SIGCHI International Conference on Advances in computer entertainment technology ACE '04**

Publisher: ACM Press

Full text available: pdf(111.95 KB) Additional Information: full citation, abstract, references

The *Intelligent Street* is a music installation that is able to respond intelligently to the collective requests of users interacting together. The performance it creates is largely influenced by the collective set of text commands from users' mobile phones. In this way, users in shared environments, subjugated for so long to uncontrollable and often undesired 'Muzak', can now directly influence their sonic environment and collectively create the aural soundscape that *they* desire. W ...

Keywords: algorithmic and generative composition, algorithmic music, ambient intelligence, human computer interaction, intelligent responsive sound, prototype, software architectures

17 Localization: Localization for mobile sensor networks

Lingxuan Hu, David Evans

September 2004 **Proceedings of the 10th annual international conference on Mobile computing and networking**

Publisher: ACM Press

Full text available: pdf(263.13 KB) Additional Information: full citation, abstract, references, citings, index terms

Many sensor network applications require location awareness, but it is often too expensive to include a GPS receiver in a sensor network node. Hence, localization schemes for sensor networks typically use a small number of seed nodes that know their location and protocols whereby other nodes estimate their location from the messages they receive. Several such localization techniques have been proposed, but none of them consider mobile nodes and seeds. Although mobility would appear to make local ...

Keywords: Monte Carlo localization, localization, mobility, sensor networks

18 Art poster session: ARIA: an adaptive and programmable media-flow architecture for interactive arts

Lina Peng, K. Selcuk Candan, Kyung D. Ryu, Karamvir S. Chatha, Hari Sundaram

October 2004 **Proceedings of the 12th annual ACM international conference on Multimedia**

Publisher: ACM Press

Full text available: pdf(144.40 KB) Additional Information: full citation, abstract, references, index terms

We are developing an adaptive and programmable media-flow ARchitecture for Interactive Arts (ARIA) to enable real-time control of audio, video, and lighting on an intelligent stage. The intelligent stage is being equipped with a matrix of floor sensors for object localization, microphone arrays for sound localization, beam forming and motion capture system. ARIA system provides an interface for specifying intended mappings of the

sensory inputs to audio-visual responses. Based on the specific ...

Keywords: interactive, multi-model art, tools for creating multimedia art

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